# **DP201 - Designing an Azure Data Platform Solution**

## Lab 2 – Azure Batch Processing Reference Architectures

**Exercise 1**

**Task 1: List batch mode processing requirements for AdventureWorks**

Use the table below to document the requirements that would form part of the batch mode processing of data in an Enterprise BI solution for AdventureWorks:

|  |  |  |
| --- | --- | --- |
| **#** | **Requirements for the Business Reporting System** | **Technology Suggestion** |
| 1 | Moving the On-Premises Data Warehouse to the cloud (ELT, ETL) | Azure Data Factory  1st step: move data to binary storage (Blob Container or Azure Data Lake Gen2)  2nd step: move data from the binary storage to Azure Synapse Analytics |
| 2 | Storage | Azure SQL Data Warehouse (Synapse Analytics) |
| 3 | Predictive Analytics | Azure Cognitive Services for text analytics  Azure Machine Learning for the recommendation engine |
| 4 | Visualization | Power BI (could be using Power BI Service or the Power BI tools in Azure Synapse Analytics) |